digi4park®
Digital for Parking

COMERCIAL PRESENTATION

Digi4Park®

The Most Advanced Parking System of the Market

Digi4Park® is the first aftermarket kit that use digital sensors connected by digital CAN BUS interface box. The kit designed and manufactured in Europe, can manager until 8 digital sensors operation by integrate way and giving the graphic information in the original color screens of the car (if it is possible) or being using in universal way

USTOMER INTERNATIONAL

Digi4Park®

www.digi4park.com

Document Version 1.7

Digital for Parking

Index

- General Information
  - One Kit **Universal** and **Integrated**
  - Differences between Analog and **Digital Sensors**
  - The **World's smallest Sensor**
  - CAN BUS or Universal
  - Perfect Installation and Finish
  - Much more that a simple PDC Switch Button
  - **Structured** Wiring
  - High Quality level - DIN ISO 9001:2008
- Product Features
  - Resume of Main Features
  - Advantages
  - Application Areas
  - Also for Industrial Vehicles
- References & Accessories
- Installation (Tool and Diagnosis)
- Compatibility
  - Group I, Universal
  - Group II, Universal and CAN BUS
  - Group III, Universal and CAN BUS with **Visual** Information
- Technical, Comercial and Marketing Information available
- Price List (Optional)

digi4park
Digital Sensors
The most advanced Parking System of the market

Perfect Fit
Total Integration

digi4park
One reference for all cars

Visual Integration
Original Graphics
Pictograms in the Screen
BAND
MEDIA
PHONE
NAV
MUTE
SETUP

An Intelligent Operation

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/// DIGI4PARK – SEARCH
Improving dbd
www.digi4park.com
Filter by
Group of compatibility
Group 2 - CAN BUS
Manufacturer
Select an option...
Model
Select a manufacturer first
Apply
Remove filter

Easy Installation
Interior Bracket
Exterior Bracket

Customizable Solution
We have all accesories that you can need
• EXTENDED KIT - For Front Installations
• LED Display for FRONT & REAR (reversible)
• Spare Parts (Sensors, wiring, Brakets, etc.)
• Specific Drill tool for (14 mm
• Flat Parking button (1.5 mm & included)

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General Information, One Kit Universal & Integrated

The Most Advanced Parking System of the Market

Digi4Park® is the first aftermarket kit that use digital sensors connected by digital CAN BUS interface box. The kit designed and manufactured in Europe, can manager until 8 **digital sensors** operation by integrate way and draw the graphic parking information in the original color screens of the car (if it is possible) or even used **with CAN BUS or ANALOG SIGNALS** in universal way

- Digital Sensor with digital communication protocol
- 12 mm of Diameter for Sensor (14 mm installed)
- CAN BUS compatible for (Speed, Rear Gear and Ignition)*
- Support Rear, Rear+Front and Extended Front
- Inside / Outside Installation
- Intelligent Operation: Autoscan, Autoactivation, etc.
- Optional professional LED displays (Rear & Front)
- Compatible with Graphics in the original screens*
- 1 Wire for all sensors in the Bumper and 1 wire to interior
- Universal Parking High Quality button Included
- Customizable sollution (with out without LED display, etc).
- Automatic activation and deactivation with obstacles and speed

Designed for ALL CARS

Digi4Park® can be installed in UNIVERSAL mode in all the cars. In CAN Bus mode the D4P is close to be compatible with 100% of car manufactures, so please check your compatibility in www.digi4park.com

- **UNIVERSAL USE MODE**:
  The interface can read also analog signals of the car like pulse (Speed), ignition, rear gear, and manage the Parking kit taking in mind that information in intelligent way.
- **CAN BUS USE MODE**
  The interface only needs CAN BUS and POWER and it can be able to read by the bus all necessary information in order to operate with the car. In this way there 2 possibilities to operate:
  - **CAN BUS NORMAL**: Digi4Park® only reads digital information of CAN BUS in order to operate.
  - **CAN BUS VISUAL**: Digi4Park® reads and writes digital information in the CAN BUS in order to operate and show the graphic information on the original screen of the car

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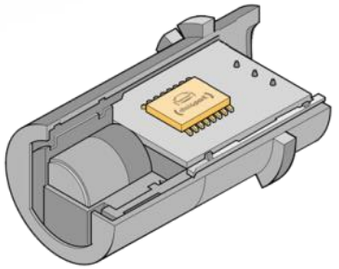
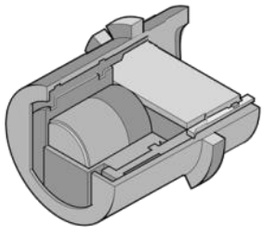
General Information, Analog or Digital Tecnology?

Digital Sensors (The Digi4Park® Option)



Digi4Park® use a high sensitive ultrasonic eye connected directly inside of the sensor case to **a little PCB board with an electronic MicroProcessor**, that process and encrypt the information about the distance to the obstacle. The information read is always real without interferences.

Analog Sensor (The rest ones of the market)



One analog sensor in most of cases is shorter because it doesn't need any microelectronic component inside. The information that the sensor eye receives is send to the Unit Control in analog way as a difference of potential between 0-100 V. The information could be affected by other components of the car.

Digi4Park® use ONLY DIGITAL SENSORS, with our own protocol that sends the information **100 times faster** that any analog one. The Digital information goes by a **internal Data BUS** that leaves to us manage signals of 0,5 miliVoltiums. Thanks to that, **Digi4Park®** doesn't generate interferences in any other electronic system of the car, and at the same time no any other system of the car makes interferences over it. The **ELECTRONIC INTEGRATION is Perfect**.

ADVANTAGES OF Digi4Park® DIGITAL SENSORS

- The position of the sensor doesn't matter. All sensors of Digi4Park® **can be used in any position** and area of the car.
  - Makes easy the Installation and the maintenance
- The information is digitalized in the sensor and goes by one special bus to the Unit Control. The digital protocol makes that the information processed will be right, without any error.
- The special digital bus that is used by Digi4Park® works with potentials of **0,5 milivoltiums**, so the signal doesn't generates interferences over other systems.
- The information arrives to the Unit Control around 100 times faster like in an analog Sensor
- There isn't orientation (TOP or BOTTOM) of sensor
- The distance between sensors doesn't matter (Must be at minimum 20 cm, recommended 40cm)

DISADVANTAGES OF ANALOG SENSORS

- Each **sensor has ONE unique position** in the car. So if there is any problem will be needed to use the same sensor (8 versions)
- The information goes directly to the unit Unit Control using a difference of power between **0-100 V** that can generates a lot of Electromagnetic fields (EMI) that makes interferences in other units and at the same time the sensor information could be disturb by other systems of the car
- Each sensor need 2 wires directly to the Unit Control
- The sensor is a passive element, need to be placed keeping rules (TOP, Button, ruled distance to other ones, etc.)

General Information, the world's smallest sensor

Digi4Park® Only 12mm in the ULTRASONIC EYE

The Aluminum EYE of Digi4Park® has only 12 mm of diameter, that makes the worlds' smallest sensor. Also it is possible to paint the surface of the sensor because comes from factory with the first undercoat and no painted.

Digi4Park® 14mm with the rubber seal instaled

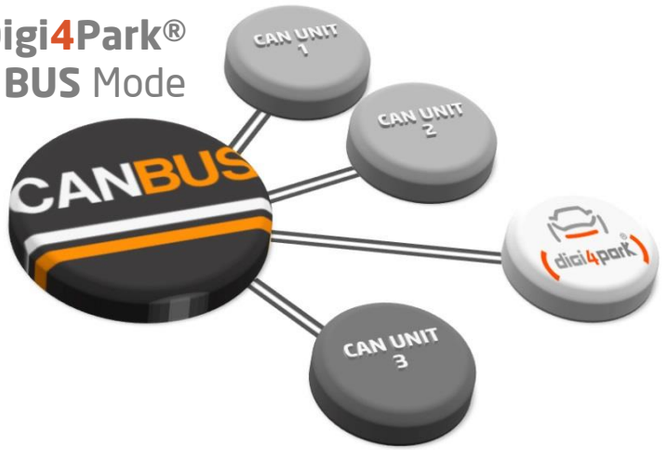
Each sensor is supplied with two rubber seals in order to avoid that dirty comes into the electronic components or the interior of the bumper.
(In the picture you can see the transparent rubber seal)

Independent that you install **Digi4Park®** inside or outside of the bumper you can use any of both rubber seals supplied: TRANSPARENT (as top right picture shows) or BLACK. Depending of the end Look & Feel or the branch (Audi, BMW, MB, VW...) or depending of your choice, you can use one or the other.

General Information, CAN BUS or UNIVERSAL?

Digi4Park® offer to you the possibility to connect **as UNIVERSAL** in any car of the market, **or connect by the CAN BUS** of the car. So that means that we include all the possibilities of connection in order to offer to you **ONLY ONE PRODUCT for all your necessities**. That minimize your stock and time to respond.

Digi4Park® in **CAN BUS** Mode



- In **CAN BUS Mode** of Operation, Digi4Park® is connected directly to the CAN BUS and POWER of the car. All the signals that the interface needs are getting of the CAN and POWER of the car.
  - We get Speed Signal, Rear Gear, Ignition, etc.
- The activation and deactivation of the sensor function is made automatically during the parking maneuver and the system is disconnected over 15 km/h.
- Digi4Park® **reads and recognize the branch and model of car** in order to work integrated with it like original Parking System.
- Even, if you need any analog signal for other third device Digi4Park® gives to you some signals like MUTE.
- If the car install Radio with screen that **is able to show the PDC graphic information**, Digi4Park® in some models can codding and represent the PDC graphic information in an automatic way.

Digi4Park® in **ANALOG** Mode

- In **UNIVERAL Mode** of Operation, Digi4Park® is connected to several analog lines of the car, like PULSE, IGNITION, REAR GEAR, ETC. This way is used if the car doesn't support CAN BUS and the operative of working is same one like with CAN BUS.
- The great advantage is that can be used by this way in all the cars of the market, old and new ones full integrated
- Even Digi4Park® includes a SERIAL PORT in order to be connected to some aftermarket graphic Radios and Navigations Systems to show graphic information in the Screen.
- All the extra functions of Digi4Park® can be used in UNIVERSAL way as well as CAN BUS, so the only difference is the way to communicate with the car.
- If you don't connect SPEED we can be able to control the power of the FRONT sebsir area of the car.
- MUTE +12V Output is also Available

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General Information, Perfect Installation and Finish

Inside and Outside Bracket

In **Digi4Park®** box are included from factory two different brackets in order to install the sensor from outside of the bumper or by inside.

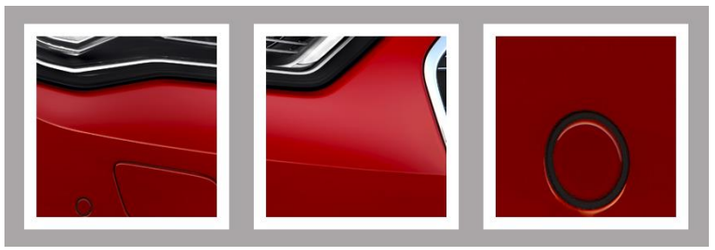
2 Different Rubber Seals

We include in the box 2 Exterior Rubber Seals (Black ring and Transparent) in order to avoid that dirty comes into the approach system of the sensor. You can choose the best one or more appropriate to the car model

Digi4Park® also is supplied with 2 different brackets in order to install outside of the bumpers or inside of them. In order to make easy the installation also we can supply to you 2 different Tools for drill the bumper and getting the best ends.

The APPROACH Digi4Park® SYSTEM

As well as you install the sensor using the Inside or Outside Bracket, we include in both halters **our bold or SCREW SYSTEM OF APPROACH** that will help to you the leave the sensor eye into the exactly distance of the bumper



Real pictures of **Digi4Park®** Kit installed.

General Information, Structured Wiring

2 WIRES FOR EVERYTHING

The same **Digi4Park®** UNIT CONTROL can be used for Rear, Front or for Rear+Front installation, that means 4 or 4+4 sensors.

In order to connect sensors to UNIT CONTROL, we use 2 types of wires:

- **REAR** or **FRONT** Wiring (**BROWN**)
- The **EXTENSION** Wiring (**ORANGE**)

- **REAR or FRONT WIRING**: (**BROWN**)

  This wire is used in order to Interconnect all sensors of one side of the car to Digi4Park® digital BUS, giving at the same time, power to each sensor.

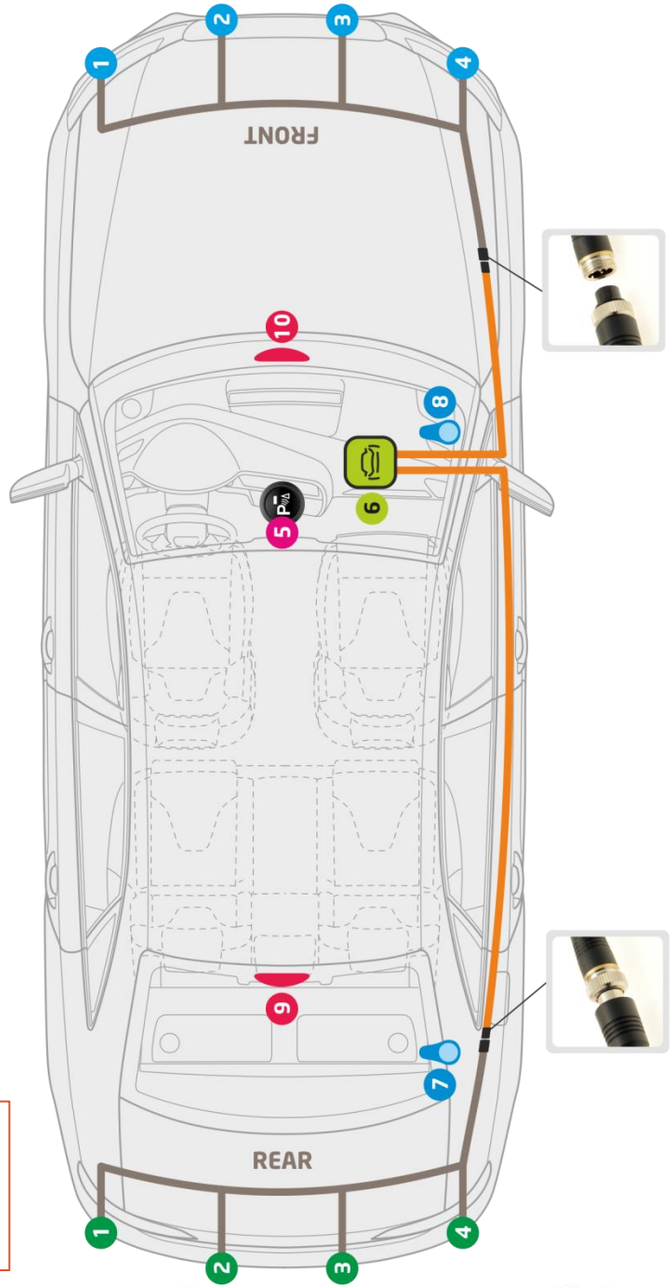
  This wire ends in the BUMPER in **IP64 connector** in order to be connected to the EXTENSION WIRING, Extension wire that it is the only wire that comes into the car.

- **EXTENSION WIRING**: (**ORANGE**)

  This wire is used in order to Interconnect the REAR or FRONT sensor wiring with the Digi4Park® Interface box. This wire ends in a 6 pin **IP64 waterproof connector outside** of the car.

  The **length** of this wire is more **550 cm** that leaves to you make installations for INDUSTRIAL VEHICLES, that needs long lengths

Thanks to our wire **MIRROR DESIGN**, the REAR or FRONT wiring can be used interchangeably in the FRONT or the REAR of the car. That means if the installer has got 2 kits, and hasn't got any extended kit, he can use the wires of the second kit in order to make a 4+4 installation. Also with the Extension Wiring.



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General Information, Structured Wiring

ADVANTAGES OF Digi4Park® STRUCTURED WIRING

The wire that we have designed is used thinking in the installer, giving facilities in order to make easier the installation and maintenance process:

- The **REAR wire and** the **FRONT** wire for sensors is the **SAME ONE**
- The **EXTENSION wire** in order to connect REAR/FRONT wire to the ECU of Digi4Park® **is the same for Front and Rear**.
- It is possible using 2 Rear Digi4Park® kits in order to build one REAR+FRONT kit. (After that you will have to order to your provider a simple extension kit for rebuild your incomplete kit)
- There is **no way to commit any error** in the installation keeping the simple drawing instructions.
- In case of accident **it is possible to dismount the bumpers** by disconnection the outside IP64 union connection between the REAR/FRONT wire and the Extension wire. So will no necessary goes into the car.
- The wire is protected by a shield that **avoid external interferences** of other devices over the information in the Digi4Park® internal BUS.

D4PSNSWR

SENSORS WIRE / FRONT & REAR
To interconnect REAR or FRONT sensors to Extension Wire of the Digi4Park Kit. Included in all kits

D4PEXTWR

EXTENSION WIRE / FRONT & REAR
To interconnect REAR or FRONT sensors Wires to Digi4Park Unit. Included in all Kits.

General Information, Special P&P POWER/CAN Wires

Digi4Park® The Only one with optional P&P Wires

Even taking in mind that it is really simple to connect Digi4Park® in the car using the universal wires supplied by default, it is possible to order by option special P&P POWER/CAN wires to connect to each car.

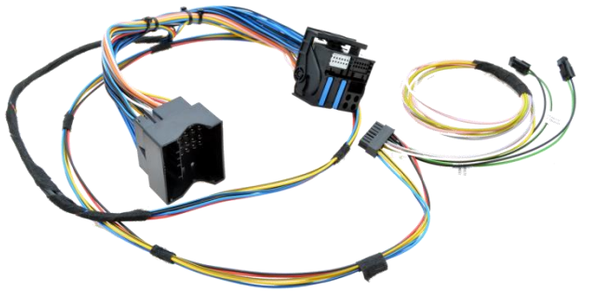
- Using our Plug & Play wires you will not need cut any wire of the car.
- If you are a CAR MANUFACTURER or IMPORTER and you need that **we develop any special P&P wire**, we can do it specially for you.
- Using P&P POWER/CAN wires you will avoid that your installers commit any error during the installation. So it is really interesting for official solution in order to decrease the support and incidences during the installation, even taking in mind that normal connection is really easy.

SECOND CAN BUS INCLUDED

- Digi4Park® also include a second CAN BUS lines port to be used in combination with original rear Parking systems installed from factory. That leaves to us complement the original system to offer OEM rear in complementation of FRONT Digi4Park®
- If the car install Original REAR Sensors, Digi4Park® can offer to you special Plug & Play wires to interconnect Digi4Park® to the OEM Parking interface box. Them you can use both system in combination looking the visual information in the OEM screen. (This new feature will coming soon)

Go to www.digi4park.com to check if it is available the special Plug & Play wire

D4PWRPWR - Universal Digi4Park® Power Wire
This wire is the universal standar for all intallations. Group Analog and CAN BUS inputs and outputs.



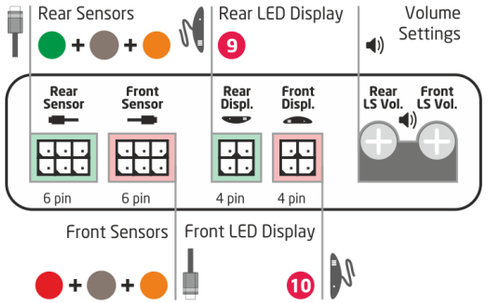
D4PWR001 - Plug&Play Wire for VW, AUDI cars
This wire extend the ECU connection 1m in order to connect to the Radio Connection of the car.

General Information, One Interface for ALL

Digi4Park® Unit Control - Everything is Included

The Parking Digi4Park® Control Unit is the first of the market that directly includes all necessary connections for mounting front and rear sensors and their respective accessories (Speakers / Displays). The Control Unit incorporates Parking Button connection (With the button from factory) and a USB port to expand the database of compatible vehicles in the future or update the device software. The same unit also includes 2 sets of CAN BUS signals to cover all possible connections.

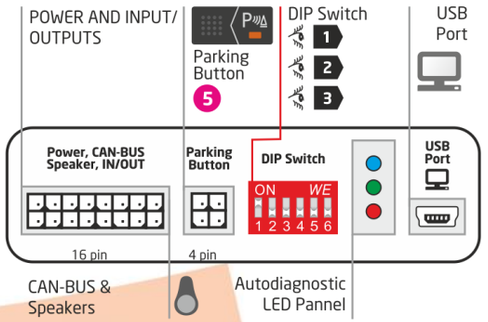
6 UNIT CONTROL CONNECTIONS - SIDE A (DIGI4PARK UNIT CONTROL)



LED DISPLAY AND SENSOR CONNECTIONS

In SIDE A switchboard can find the respective LED Display connections front and rear sensors and are also knobs to control the volume of each of the speakers beep sound.

6 UNIT CONTROL CONNECTIONS - SIDE B (DIGI4PARK UNIT CONTROL)



CAN BUS, POWER, SIGNAL AND UPDATE PORTS

On the other side (SIDE B) Unit Control includes a connector for the power signals and CAN BUS Connector or Plug & Play and the Parking button connection, configuration switches, USB port and a Panel of 3 LEDS that visually informs whether the cAN BUS was connected correctly and if there are any loose sensor on each side of the vehicle and what number of sensor is faulty.

General Information, Much more that a PDC Button

Included from factory by default

Digi4Park® Switch Parking Button

Digi4Park® kits includes from factory in the box a universal and fashion PDC bottom in order to be installed in the dashboard of the car. This button has a lot of functions.

The **Digi4Park® SWITCH BUTTON** is used for manually activation and deactivation of the Parking function under 15 km/h. Also it has the important function to inform by the LED if the system is working or not. EVEN MORE it is also used in order to configure advance functions of Digi4Park® or inform about errors.

Manual Activation Function

The usual function of the PDC switch Button is the manual Activation or deactivation of the PDC function. So When the Parking system is working, the LED of the button is ON and it is possible to press it in order to switch OFF. The opposite is also possible under 15 km/h. The button is designed for 200.000 cycles using and can be installed by simple stecker.

Towbar or Trailer Position Function

By LONG PRESS of the PDC Button it is possible entry in the Engineering mode. In this mode you can inform to **Digi4Park®** that TOW is installed or not, in order to deactivate the central sensors, even more if a caravan or trailer is hooked, is also possible to deactivate completely the 4 REAR SENSORS. The LED of the Button will inform to you of this configuration.

System Status and Error Information

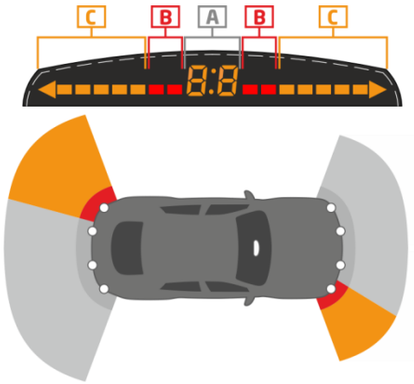
The Button incorporates a LED to inform about the Status (ON/OFF) of the system and at the same time to advise of error in any component or the situation of TOWBAR function.

General Information, One **Display** Diferent Applications

Professional LED Display Digi4Park®

We have designed a high performance display with a professional finish in polished sheen that can be installed in all vehicles without changing the look and feel of the car. The display is optionally available as an accessory for Digi4Park® and can be mounted on the dashboard in front of and behind the roof, admitting and inverted mirror function or natural. Incorporates a 5 m cable. and has a size of 12 cm. Remember that each Digi4Park Unit Control supports up to 2 DISPLAY LED at same time

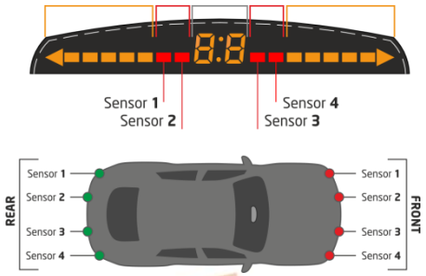
The LED Display can be used for these operations:



OBSTACLE DETECTION AND DISTANCE

The display shows the distance to objects in both number [1.6] = 1.6 meters, and visually telling whether the obstacle is on either side of the vehicle.

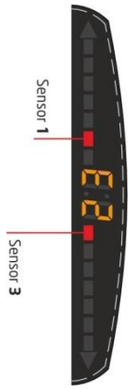
Also have 2 colored to visually report the approximate distance to the obstacle and a small button for the Setting up.



TROUBLESHOOTING

The installation manual is a complete diagram for the user and the installer in order to use the Display to detect faults and knowing what sensor has a problem. The report display for 2 seconds after turning the system on how many faulty sensors, and what positions are.

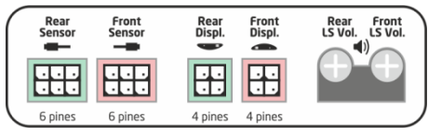
Remember that supports Metric, Imperial and Mirror Mode system. And that includes the fixings for the roof



General Information – Speakers, the art of Sound

Digi4Park® Diaphragm Speakers

In Digi4Park ® we have used Diaphragm speakers 8 Oh and 0.5 W for acoustically inform the distance to obstacles. This might initially seem something without any importance, but it is not true. The original systems use the same speaker technology than us, because this type of speaker is capable of generating infinite frequency sound (especially low), different volume, etc.. That's why the sound of our ads is clean and clear with INDEPENDENT FREQUENCY for the back and front areas. For using Diaphragm Speakers it is also necessary that the Electronic of the Unit Control will be designed for that purpose.



INDEPENDENT SOUND ADJUSTMENT

On the control panel of Digi4Park ® there are two potentiometers which allow volume control of each of the two speakers, so you can adjust the sound to each vehicle type and installation.

Each of the two speakers can be connected to the wiring POWER / CAN. In the cable are marked FRONT / REAR Speaker positions.

TWO FREQUENCY (FRONT AND REAR)

We use two different frequencies, one for REAR SENSORS (more GRAVE) and one for the SENSORS FRONT (more ACUTE). So the driver can clearly differentiate where reporting comes when he has both sensors areas connected.

What If the vehicle uses Original sound speakers like BMW Parking System? Digi4Park ® also will use

Digi4Park® DOES NOT USEo Piezo Electric Speakers

The piezoelectric speaker is a speaker type based on the properties of piezoelectric crystals (polyester or ceramic), when this is applied to a voltage deform Thanks to this property, it is possible creates sound if you put something able to channel and make small sound box.

These speakers are simple and cheap also consume very little. His big drawback is that they **are unable to reproduce low frequencies**, so if you need more bass need to use other type of speakers, like Digi4Park® ones.

General Information, DIN EN ISO 9001

Digi4Park® WARRANTY OF QUALITY

All Digi4Park® Units are manufactured under the strictest control measures, in order to warrantee to our customers the that product arrives with the quality required in a technic product like this one.

Our production Centre in Germany has got the ISO 9001:2008, for design, manufacture and distribute electronic automotive components.

Digi4Park® Designed in Germany and Spain and Manufactured in EUROPE

Digi4Park® Made in Europe

To develop a product of this type large investments and multidisciplinary design teams, marketing, programming and electronics are required. Digi4Park ® brings together two major European companies about a product that has always started from a premise: Proprietary Technology and Quality in both design and manufacturing.

The European manufacturing (Germany / Spain) offers the best guarantee from the point of view of reliability, durability and functionality of the product manufactured using the latest technologies in design and direct contact with vehicles featuring our markets

Der Nachweis wurde im Rahmen des Zertifizierungsaudits
Bericht Nr. **IZ 29031171** erbracht.

Datum der Erstzertifizierung:	**28.03.2008**	Zertifizierung-Nr.:	**202373**
Datum der Rezertifizierung:	**28.03.2011**	Gültig bis:	**27.03.2014**

ISO - ZERT Gerhard Dischke

AKKREDITIERT DURCH EURAS

General Information, Traceability, Control & Warranty

Digi4Park® 2 YEARS OF WARRANTY IN EU ZONE

All Digi4Park Interfaces include 2 YEARS of warranty. In order to make valid the warranty the installer must complete the Warranty Card included in the STANDAR & PLUS kits. The warranty incorporates a serial number, same one like the interface box.

DATE
MANUFACTURING CENTRE
NUMBER OF UNIT IN PRODUCTION

WARRANTY CARD
GEWÄRLEISTUNGSKARTE
BON DE GARANTIE
TARJETA DE GARANTÍA
CARTOLINA DI GARANZIA
CARTÃO DE GARANTIA
Official Importer Stamp:
digi4park® Serial Number:
34D4P37152DGHLS
Official Installer Stamp:
FACHHÄNADLERSTEMPEL / TAMPON DU DETAILLANT / SELLO OFICIAL INSTALADOR / TIMBRO DEL RIVENDITORE / CARIMBO DO REVENDEDOR
Date of Purchate:
KAUFDATUM / DATE D'ACHAT / FECHA DE COMPRA / DATA D'ACQUISTO / DATA DA COMPRA
/ /
www.digi4park.com

One of the great advantages of working with Digi4Park ® is that the product is manufactured in Europe. That allows you to have any element of the system or parts in less than 24 hours and not rely on third parties to foreign companies when receiving support services or engineering.

Product Features, Resume of Main Features

SENSORS AND DIGITAL TECHNOLOGY

Digi4Park® use Digital Sensors similar to the original ones that the car install from factory. This offer to you more liability, quality and benefits. Our sensors use 3 Lines (1 for BUS and 3 for Power) (Analogs use 2)

OPERATING BY CAN BUS OR UNIVERSAL MODE

Digi4Park® in CAN BUS Mode get all necessary signals to operate from the digital BUS of the vehicle, but it also can be used to operate in UNIVERSAL Mode in cars without Digital CAN BUS. With or without SPEED Signal.

STRUCTURED WIRES

The interface box can be used to control rear+front or only rear sensors. In order to do that we offer different wires similar to originals ones for each area of the vehicle

MANUAL ACTIVATION SWITCH BUTTON

Digi4Park® is supplied from factory with a manual activation button, that leave to the driver to activate or deactivate the PDC and also configure options like tow or trailer.

INTELLIGENT OPERATION

Digi4Park ® system incorporates the most advanced logic of market functioning. It is even able to auto activate if it detects an obstacle closer than 1meter in the front area of the vehicle. Of course we use Diaphragm Speakers and NOT piezo- electric, offering a clear and distinct sound for each side of the vehicle.

BRACKETS FOR INSTALL INSIDE OR OUTSIDE BUMPER

Each sensor is supplied with 2 brackets to mount the sensor either from inside or outside of the bumper. Both systems with Align System

12MM THE WORLD'S SMALLEST SENSOR

The sensor can be mounted on 14mm holes from the inside or from the outside 18 with a finish like the original, admitting painted.

4 REAR SENSOR EXTENDABLE TO 8

From factory, Digi4Park® includes 4 sensors but the unit supports a second zone to mount 4 additional sensors and front display. For that we have an low cost EXTENDED KIT.

UPGRADEABLE BY USB PORT & ENG MODE

It is possible to upgrade the Digi4Park® software by a simple USB port, and also it is possible to make Diagnosis by USB or entry in Advance configuration menu using the Parking Switch Button.

EVERYTHING AUTOMATIC

Thanks to the operating logic and level of integration that the driver does not have both hands on the steering wheel to activate or deactivate the system Parking.

digi4park®

Product Features, Advantages

1 ONE REFERENCE FOR ALL CARS, MINIMUN STOCK

As Digi4Park® can be used in CAN BUS mode or UNIVERSAL one it is possible to used in any car of the market. **You don't need large stocks** of product.

2 SAME UNIT CONTROL FOR REAR, REAR+FRONT or FRONT

If the customer wants to install only REAR sensors and in the future wants to extend to REAR+FRONT, he will have only to buy the **EXTENDED KIT** that include only 4 rear sensors, 2 wires and one front Buzzer.

3 MADE IN EUROPE

Digi4Park® is **manufactured in EUROPE** with advance quality rules that ensuring to you a durable and reliable guarantee. If the car needs any spare parts, also you have the guarantee of fast supply and any part.

4 SPECIAL DRILL TOLLS FOR THE HOLES

Digi4Park® has designed two Drill Tools in order to **make easy the perforation of the bumper**. With our system it is no needed the electric drill and the paint doesn't suffer anything around the sensor.

5 THE PARKING SWITCH BUTTON IS INCLUDED

Digi4Park® includes from factory the Parking Switch Button, that leaves to you to **connect and disconnect the Parking Function** and even more, **configure options like TOW, Volume**, see errors, etc.

6 MOST BASIC IS PERFECT - SPEAKER

Generally no market kit includes diaphragm speaker, they include piezo. Digi4Park ® is supplied with diaphragm speake to generate a clean, controlled sound and differential on both areas.

7 APPROACH SYSTEM FOR PERFECT FIT

Digi4Park® use and **Approach System** that place the sensor eye in the same plane that the exterior side of the bumper. The thickness of the bumper doesn't affect the installation

8 SENSOR PAINTABLE AND INTEGRATED

The **sensor EYE made from aluminum** comes from factory with an undercoat paint, that leaves to you **paint the sensor** with the same automotive paint of the car. In the future paintings can be sanded.

9 OPTIONAL PROFESSIONAL LED DISPLAYS

If the car cannot show the Parking information in original screens, it is possible to get **optional Professional LED displays** in order to show the information of FRONT or REAR sensors.

10 NOT NEEDED ANY EXTERNAL CAN BUS INTERFACE

As Digi4Park® **includes CAN BUS Port**, it is not needed extra and external CAN BUS Interfaces like Parkview or similar in order to be connected to the CAN BUS of the car. **Everything is included**.

11 USB UPGRADE PORT

Digi4Park® include a **USB Port**. This port is used for any software upgrade of the interface in order to include new cars, new features or **Diagnosis** of the kit.

12 DETAILED DOCUMENTATION

The kit comes with detailed color manuals and for of each vehicle also has extended information on the WEB

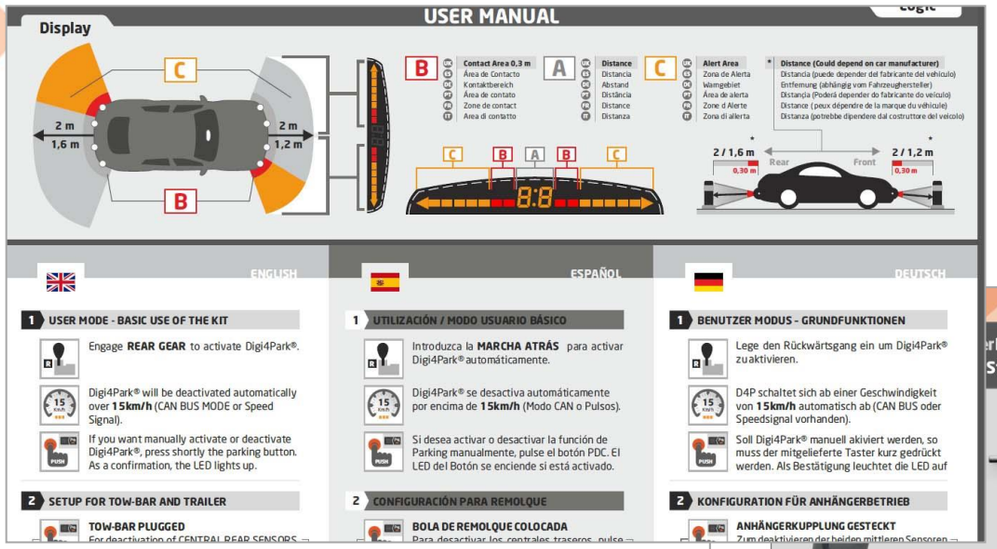
digi4park®

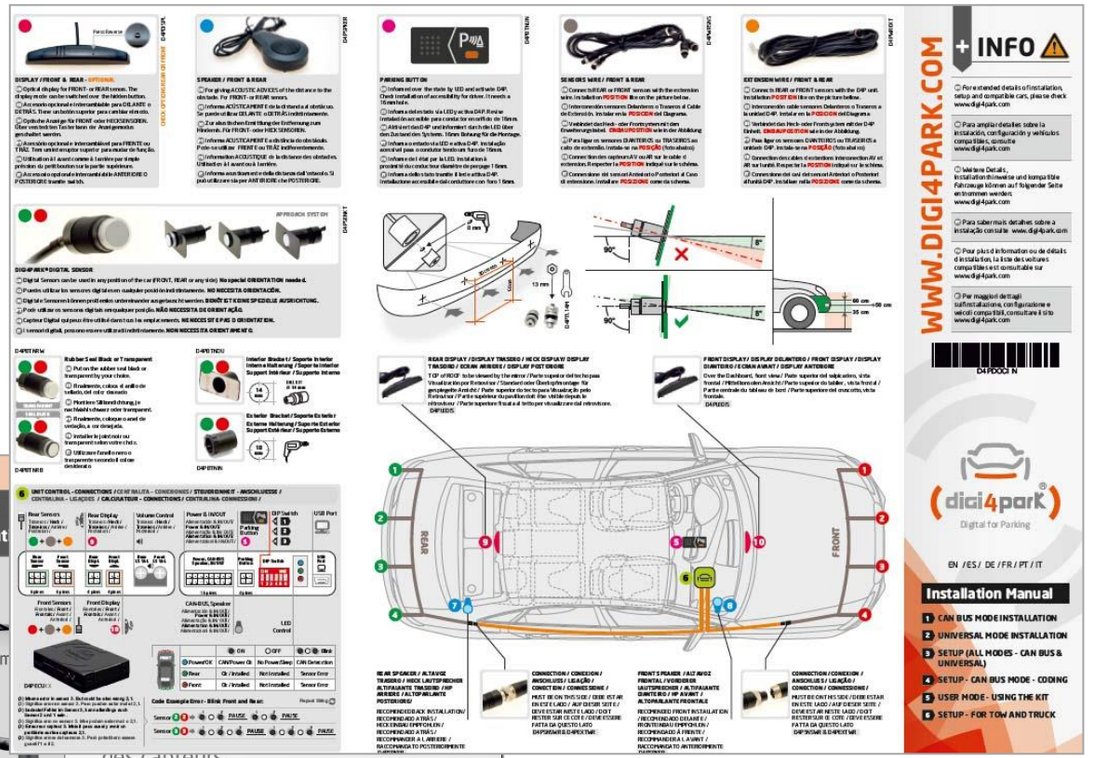
Perfect Documentation

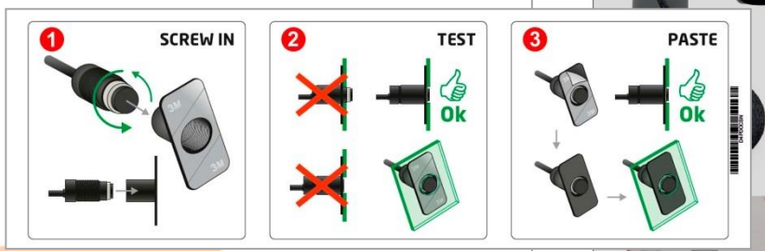
WE OFFER TO YOU THE BEST DOCUMENT FOR BEST INSTALLATION

All documentation of Digi4Park ® is on the same line as the rest of the product. We include in each kit 4 professional manuals in 6 languages:

- General Manual INSTALLATION
- Guide Recommendation mounting SENSORS
- USER Manual
- Guide WALLPAPER and PAINT box.


USER MANUAL
Display
ENGLISH
ESPAÑOL
DEUTSCH
1 USER MODE - BASIC USE OF THE KIT
Engage REAR GEAR to activate Digi4Park®.
Digi4Park® will be deactivated automatically over 15km/h (CAN BUS MODE or Speed Signal).
If you want manually activate or deactivate Digi4Park®, press shortly the parking button. As a confirmation, the LED lights up.
2 SETUP FOR TOW-BAR AND TRAILER
TOW-BAR PLUGGED
1 UTILIZACIÓN / MODO USUARIO BÁSICO
Introduzca la MARCHA ATRÁS para activar Digi4Park® automáticamente.
Digi4Park® se desactiva automáticamente por encima de 15km/h (Modo CAN o Pulsos).
Si desea activar o desactivar la función de Parking manualmente, pulse el botón PDC. El LED del Botón se enciende si está activado.
2 CONFIGURACIÓN PARA REMOLQUE
BOLA DE REMOLQUE COLOCADA
1 BENUTZER MODUS - GRUNDFUNKTIONEN
Lege den Rückwärtsgang ein um Digi4Park® zu aktivieren.
D4P schaltet sich ab einer Geschwindigkeit von 15km/h automatisch ab (CAN BUS oder Speedsignal vorhanden).
Soll Digi4Park® manuell akiviert werden, so muss der mitgelieferte Taster kurz gedrückt werden. Als Bestätigung leuchtet die LED auf
2 KONFIGURATION FÜR ANHÄNGERBETRIEB
ANHÄNGERKUPPLUNG GESTECKT


WWW.DIGI4PARK.COM
+ INFO
digi4park
Digital for Parking
EN /ES/ DE / FR / PT / IT
Installation Manual
1 CAN BUS MODE INSTALLATION
2 UNIVERSAL MODE INSTALLATION
3 SETUP (ALL MODES - CAN BUS & UNIVERSAL)
4 SETUP - CAN BUS MODE - CODING
5 USER MODE - USING THE KIT
6 SETUP - FOR TOW AND TRUCK



Product Features, Multiple Applications / 1 REFERENCE

Digi4Park in Cars with Advance Electronic Components

As Digi4Park® use a digital Sensors, can be installed in Premium **cars with modern electronic systems**, like **SIDE ASSIST**, **ADAPTATIVE CRUISE CONTROL**, **DISTRONIC**, etc. The digital bus all will guarantee not interference with other systems.

Digi4Park for All Cars / Universal or CAN BUS

At the same time, you can use Digi4Park® in order to use with all the cars of the market in **UNIVERSAL Mode as well as CAN BUS Mode Integration**. This give to you **ONE REFERENCE** to install in **ALL CARS OF THE MARKET**

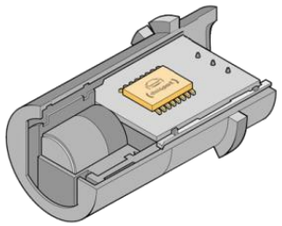
Industrial or Utility Vehicles

Have a Digital Bus allows us to send the information from the sensor to the Digi4Park® control unit without any error, al also avoid fields external interferences created by other units of loosing information by great distances. So Digi4Park ® becomes the most suitable for the professional sector and commercial vehicle choice. In this type of vehicles that often lack visual displays, can be mounted up to 2 LED Display professionals to meet the driver at the front and back detail distance to any obstacle.

digi4park®

Product Features, Also for Industrial & Utility Vehicles

Designed also for Utility & Industrial Vehicles



As Digi4Park® use a digital bus in order to connect each sensor with the Unit control, we can transmit the signal from really **long distances** in a vehicle without loose quality of signal.

That leave to as being the first Parking System of the Market that could be able to use in Utility Vehicles and cars that need extra length in the installation.

1

IT IS POSSIBLE TO EXTEND THE WIRES UNTIL 25 MTS

Also for special fleets, it is possible to order wires of extra length (10mt) in order to install the unit control really far of the sensors. Really interesting in Utility & Industrial Vehicles

2

NEW BUSINESS OPORTUNITY

Install a professional Parking sensor solution in Industrial Vehicles it is a measure in order to reduce the money that a company will have to spend into repair vehicles or damage other systems. Interesting help to make complicate maneuvers into LOADING PLATFORMS.

3

ACOUSTICALLY PERFECT NOT ONLY BUT EVEN VISUAL

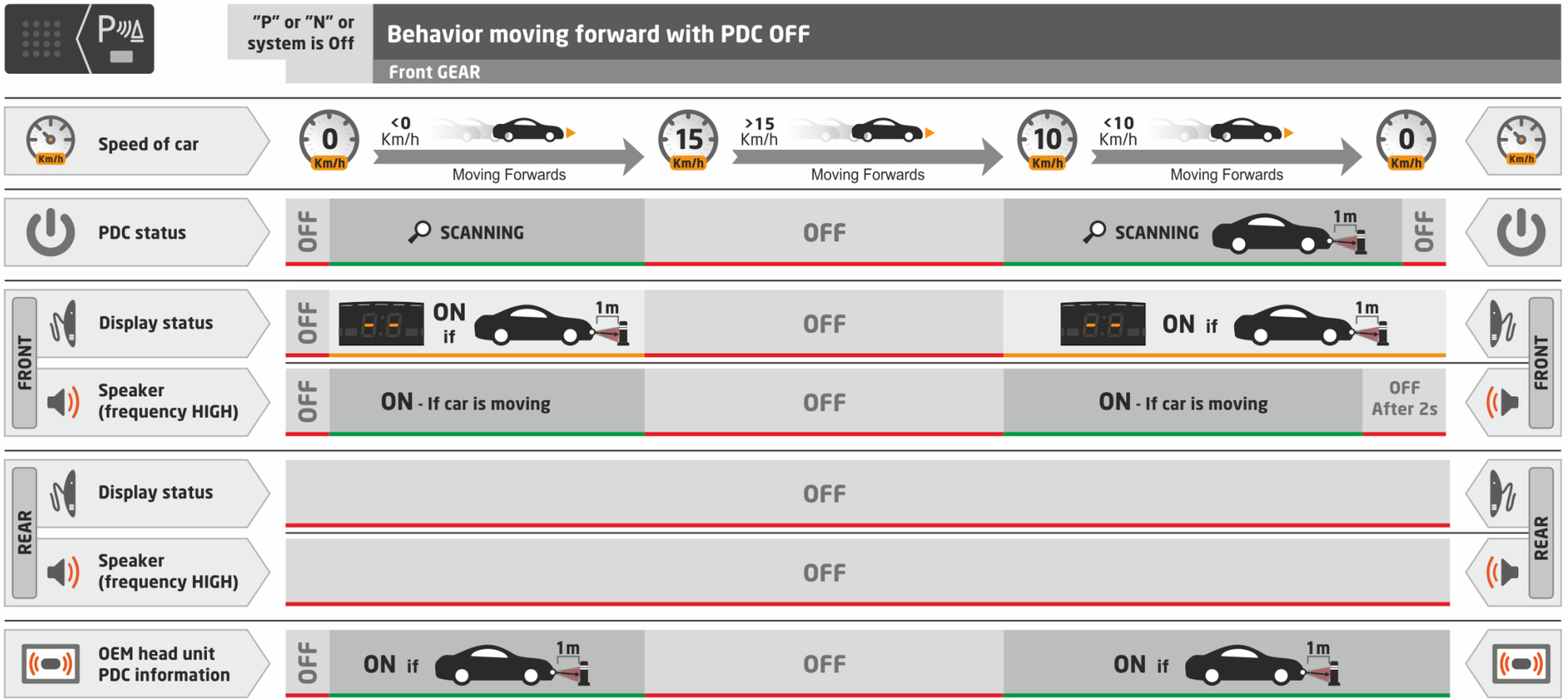
Keep in mind that in a commercial vehicle cargo areas and are separated driving. Having a system based on speaker beeps adjustable membrane and not in piezo electric speaker we guarantee a perfect hearing notice, complemented by a display of quality

digi4park®

Características, ¿Funcionamiento Inteligente?

Digi4Park® es el primer kit del mercado que incluye funciones como AUTOACTIVACIÓN FRONTAL si detecta un obstáculo más próximo a u1 metro en la zona delantera del vehículo, cuando éste se está moviendo hacia adelante en velocidades inferioes a 10 km/h. Esta función se ofrece incluso para vehículos ni siquiera la incorporaban de fábrica, como VW o BMW, entre otras muchas marcas.

Esquema de funcionamiento con el Sistema Desactivado



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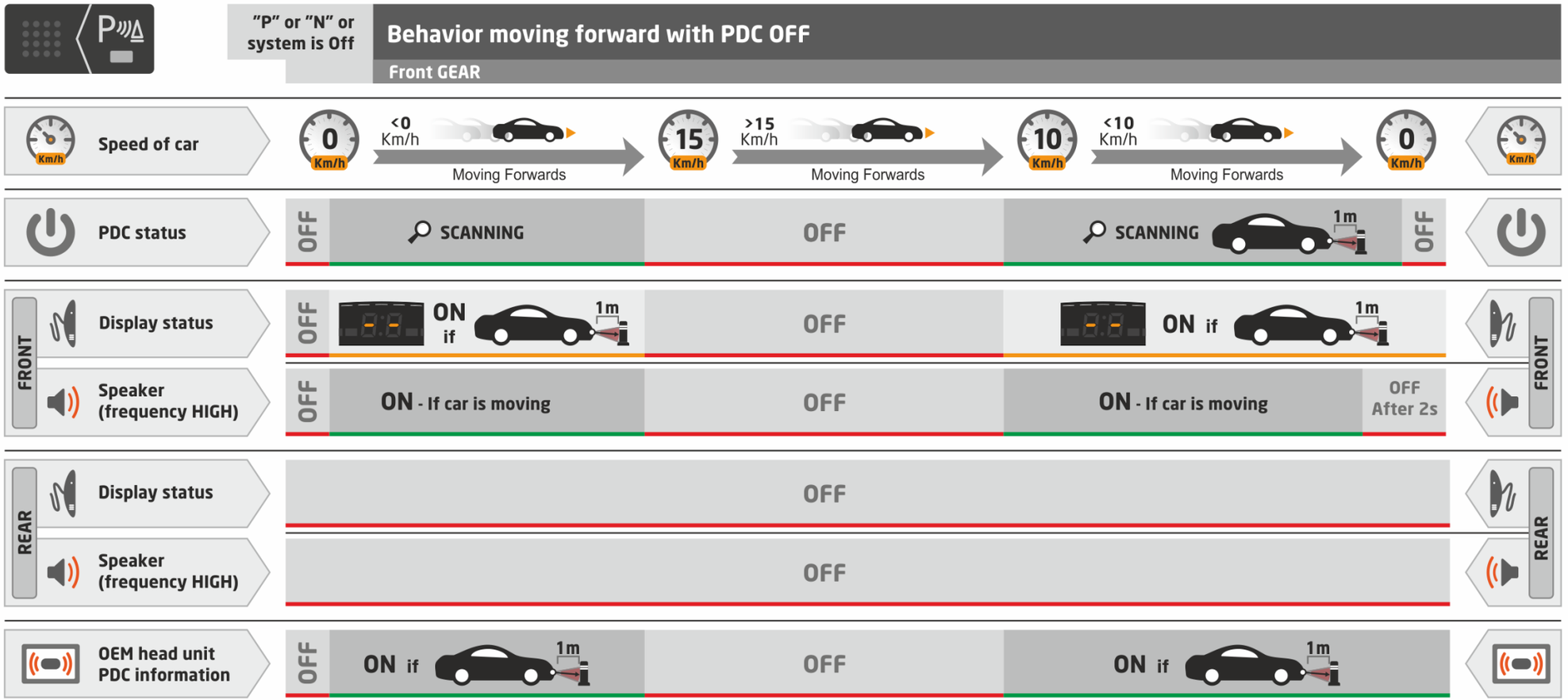
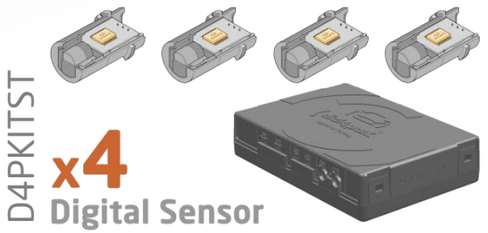


References & Accessories, Main References

Digi4Park® STANDARD KIT

D4PKITST



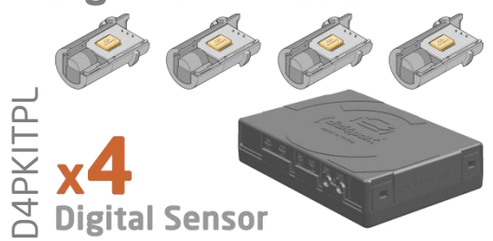
The **STANDARD KIT** Includes the Digi4Park® Unit Control and 4 sensors in order to install in the REAR of the car. This kit is thought to make an installation in a car without Parking system.

"Include CAN BUS LINES for reading Digital signals of the BUS of the car (Rear, Speed, Ignition)"

- Digi4Park® **STANDARD** Unit Control
- 4 Digital Sensors
- 4 Brackets (Inside and Outside)
- 4 Rubbers (Black and Transp.)
- 1 Sensor Wire
- 1 Extension Wire
- 1 Parking Switch Button
- 1 Speaker & Installation Manual

Digi4Park® PLUS KIT

D4PKITPL



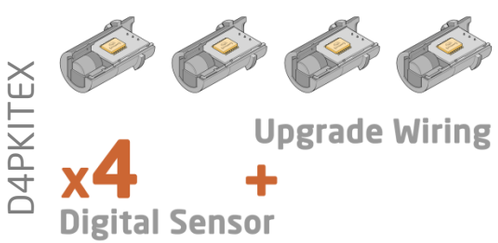
The **PLUS KIT** Includes the Digi4Park® Unit Control and 4 sensors in order to install in the REAR of the car. This kit is thought to make an installation in a car without Parking system.

*"**PLUS** Include CAN BUS VISUAL Function that writes graphic information on the original screens"*

- Digi4Park® **PLUS** Unit Control
- 4 Digital Sensors
- 4 Brackets (Inside and Outside)
- 4 Rubbers (Black and Transp.)
- 1 Sensor Wire
- 1 Extension Wire
- 1 Parking Switch Button
- 1 Speaker & Installation Manual

Digi4Park® EXTENDED KIT

D4PKITEX



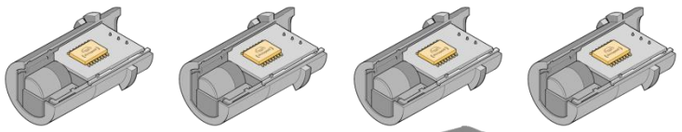
The **EXTENDED KIT** is thought for upgrade from REAR sensor to REAR+FRONT. DOESN'T includes the Digi4Park® Unit Control, so it is needed that the car has also installed the STANDAR KIT before.

- 4 Digital Sensors
- 4 Brackets (Inside and Outside)
- 4 Rubbers (Black and Transp.)
- 1 Sensor Wire
- 1 Extension Wire
- 1 Speaker & Installation Manual

References & Accessories, Making REAR + FRONT

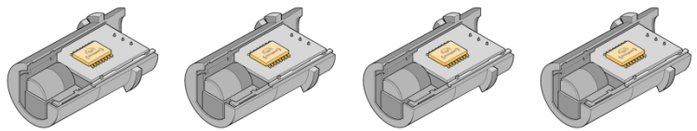
As **Digi4Park®** Unit control is the same for REAR installation or REAR + FRONT installations, if you want to install REAR + FRONT you will need:

Digi4Park® STANDARD OR PLUS KIT + Digi4Park® EXTENDED KIT



x4
Digital Sensor

+



x4
Digital Sensor

+
Upgrade Wiring

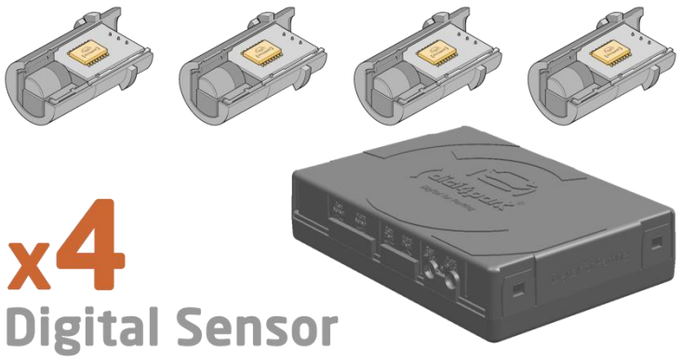
REAR + FRONT installations only need **ONE**
INTERFACE BOX

Special use – UPGRADING OEM REAR to FRONT+REAR

Digi4Park® Unit could be possible to be used in combination with the original PDC system of the car. In that situation the car will comes from factory with OEM sensors and DIGI4PARK complete the FRONT protection

Digi4Park® STANDARD PLUS KIT + ORIGINAL REAR SENSORS OF THE CAR (FACTORY ONES)

In such situations we can distinguish two separate caseloads:



x4
Digital Sensor

GRUPO II OF COMPATIBILITY
CAN BUS COMPATIBLE VEHICLES

Installation is very simple. STANDARD KIT installed a in front of the vehicle and you have to inform to Digi4Park® with DIP1=ON. The system will operate in a transparent way of working.

This application is **VERY INTERESTING**, whether the car install original or aftermarket rear sensors because the user will enjoy the logic front sensors that Digi4Park® offer.

GRUPO III OF COMPATIBILITY
CAN BUS GRAPHICS COMPATIBLE VEHICLES

In this case will be necessary a Digi4Park® PLUS Kit and it will be needed an special wiring to make a bypass connections into the OEM parking unit. D4P will read the original information and complete it. You need to consult digi4park.com if it is supported and for the special wiring needed.

REAR OEM + Digi4Park FRONT installations
Is also Possible with Automatic LOGIC

References & Accessories, Accesories

Digi4Park® Professional LED Display

D4PDISPL

If the car doesn't support Visual Parking information in the Screens, it is possible to order led display for FRONT or REAR. If the display is for rear it is installed in the top of the rear roof in order to see by the mirror.

Digi4Park® Sensor

D4PSENKT

In case of any sensor will be broken, it is possible to order single alone sensors as spare parts. Each sensor has a little wire that ends in IP64 connector in order to be connected to the Sensors Wire..

Digi4Park® Sensors Wire (Rear or Front)

D4PWRSNS

If the Sensors Wire is broken, it is also available as spare part the wiring for connecting the sensors in the bumpers. Remember that this wire is the SAME for REAR & FRONT..

Digi4Park® Extension Wire (Rear or Front)

D4PWREXT

As well as we supply Sensors Wire, it is also available the wire that interconnect the Sensors Wire to the ECU. Remember that this wire is the SAME for REAR & FRONT.

Digi4Park® Bracket Installation Kit

D4PBTNIN

The Bracket Kit is composed by the external and internal brackets and the rubbers that seal the sensor into the bracket, and it is necessary in order to install the Sensor in the Bumper in the correct way.

Digi4Park® Speaker

D4PSPKER

Also it is available a high quality speaker in order to get the acoustic advice of the parking system. In some cars it is not necessary as well we use the Radio and OEM speakers

digi4park®

Installation, Diagnosis and Troubleshooting

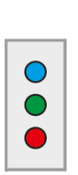
Digi4Park® A DIFFERENT WAY TO SOLVE PROBLEMS IN INSTALLATION

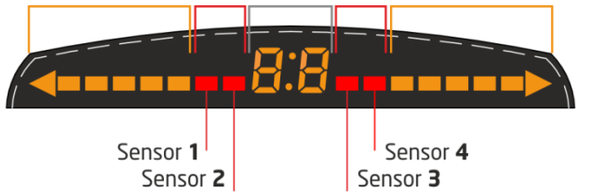
Digi4Park® includes two different systems to detect errors for the end user or during installation. In both cases, our idea is to independently know where there is a problem and how to recognize it.

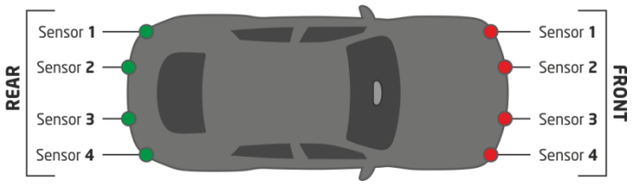
INSTALLATIONS WITHOUT GRAPHIC LED DISPLAY

In this case, two detection channels:

- If Display is available, it will display the number of faulty sensors and their location (eg E2 - »2 faulty sensors). After 2 sec. will operate normally.
- In addition the unit itself has 2 LEDs (green and red) for the FRONT and for the REAR to flash as many times as the number of faulty sensor has been located (eg 3 blinks mean error in the sensor 3



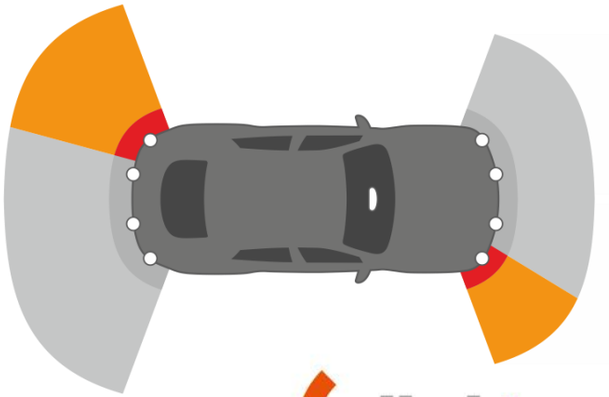




INSTALACIONES GRAPHIC RADIO UNIT

When you can see the sensors on the screen of the vehicle, it is possible to see faulty sensors during the 2 seconds immediately after the system is activated. The faulty sensor will be shown as full contact.

If one of the sensors is not working, will not be represented in that image.



What if a sensor is defective, Digi4Park® work?

Digi4Park ® is able to operate with only one of the sensors connected

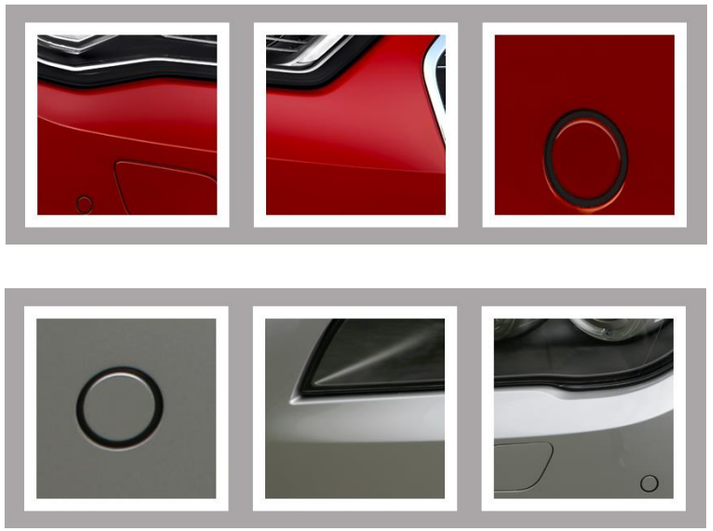
Installation, Tools

Digi4Park® Drill Kit - The easiest way to make perfect holes in the Bumper

Whether you want to install the Digi4Park® Parking sensors on the outside of the bumper as well as inside, it is really important to make the holes with the best precision and best finish, without damage in the bumper paint.

In order to do that, Digi4Park® offers to you the **Drill Kit** (Reference: **D4PTL14M**) that includes a Professional Drill tool Made in IRON for cold works for making 14mm and 18mm holes. The iron that we have used is **IRON F521 - DIN X 210 CR 12 - UNE 36072:1954**.

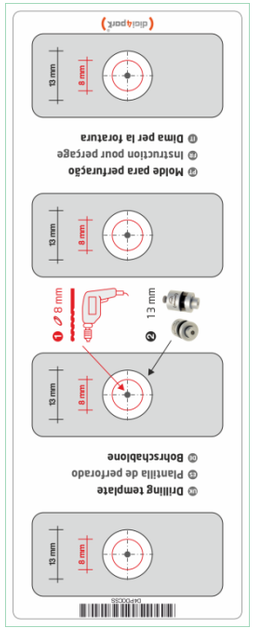
This Drill Tools is the only one of the market that have a CHROME Bath that quantize to you a long life against oxidation. An for the future you can get the cutting head separately if you broke the edge.



Installation, Painting

Sensors can be painted and we provide the paint tools

To accomplish this task without problems Digi4Park boxes incorporate an internal template that can punch using the cutting tool D4PTL14M, fix sensors on the template and paint the sensors without staining threaded system.



Upon opening the Digi4Park® box will find a template attached to sensors placed on it. Just have to use the cutter tool D4PTL14M and follow the steps that tells the document PAINTED SENSORS.

Remember that the sensors are already factory painted color BLACK MATE. If you want to paint them a different color, the painter will need to **lightly sand the surface to be painted** so that the new paint grip without problems.

The PAINT MANUAL, guides to you in nine simple steps on the procedure to create a paint box quickly and easily in less than 5 minutes. Remember that you need the same tool used to punch the bumpers, but in this case, we'll use it to punch the box. You can also save the box and use it in the future for the same operation.

Compatibility – Level of Compatibility

Digi4Park® offers to you levels of integration depending if you are installing by UNIVERSAL or CAN BUS. In CAN BUS Mode also we differentiate if the car is able to represent the Parking information in the Screen and Digi4Park® can do that or not.

GROUP OF COMPATIBILITY I
VEHICLES CONNECTED THROUGH ANALOG SIGNALS

Digi4Park ® needs to receive analog signals like rear, speed (pulse) and accessories. In this way can be installed in any vehicle. If you do not have the speed signal or you can not supply to PDC kit, it is automatically disabled after removing the reverse. It can be activated manually by the button. **ALL VEHICLES ARE SUPPORTED IN THIS WAY**

GROUP OF COMPATIBILITY II
CAN BUS COMPATIBLE VEHICLES (Supported by Digi4Park®)

Digi4Park ® only requires power and CAN BUS. The interface gets of the CAN the speed, reverse and ignition signals. In this mode the sensor kit automatically activates and deactivates the PDC kit with the speed and rear gear and can be activate or deactivated manually with the switch button

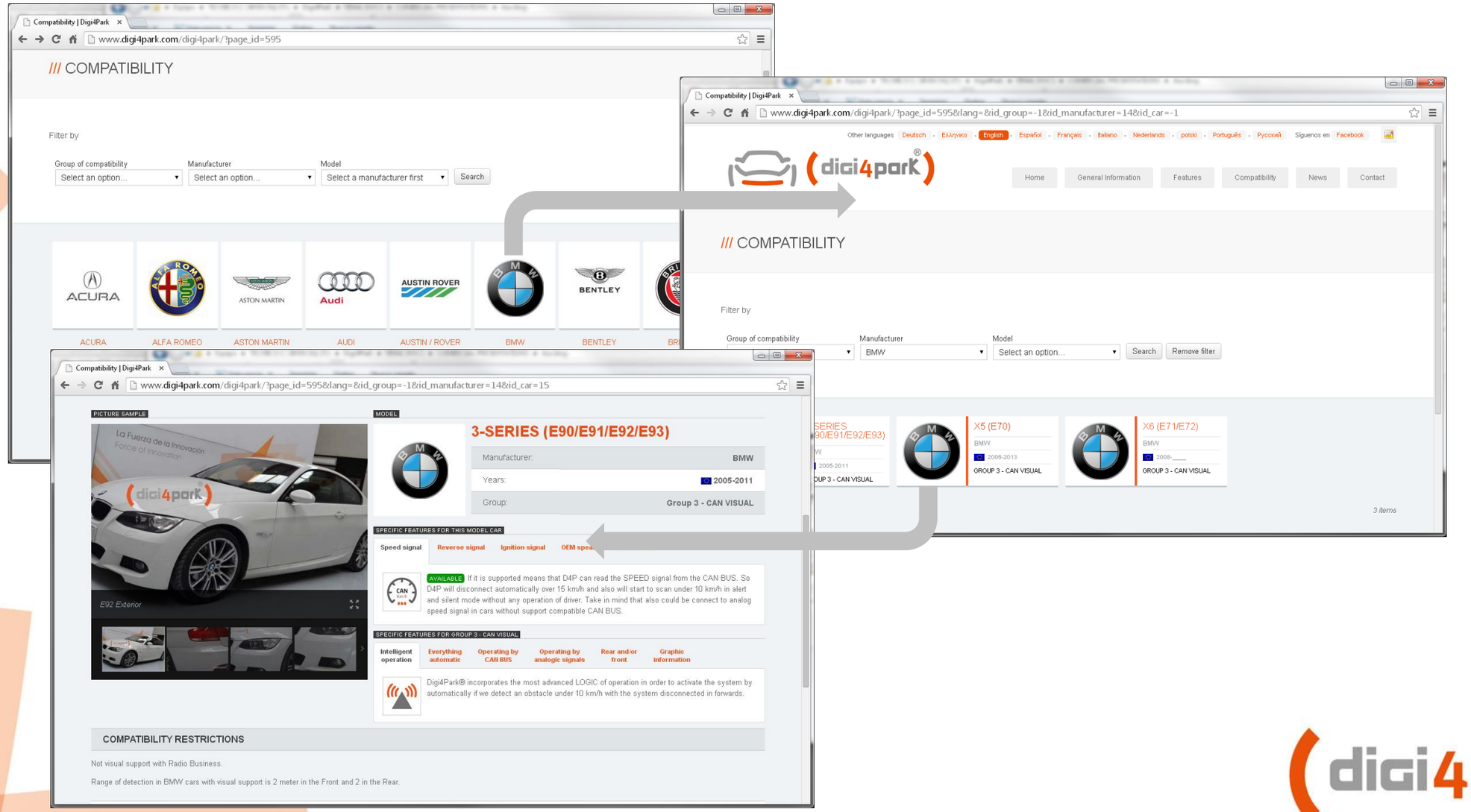
GROUP OF COMPATIBILITY III
CAN BUS COMPATIBLE VEHICLES WITH GRAPHICAL INFORMATION (Supported by Digi4Park®)

Digi4Park ® only requires power and CAN BUS, CAN extracting the speed, reverse and ignition signals. In this mode the sensor kit automatically activates and deactivates the speed and can be activated manually with the switch. Additionally the sensor information is shown in the original screens. This group is in permanent updating. For this Installations you will need **Digi4Park® PLUS KIT**

Check www.digi4park.com website for update information about the compatibility

www.digi4park.com – Much more than a WEBSITE

The FREE ONLINE DATA BASE CAR FOR Digi4Park ® has information on more than 4,000 different vehicle models and you can check the level of compatibility of each model by clicking brands. The system is multi-language caseloads and includes installation, connection and special coding for each model produced. It is very important that the installer check this site at each facility as comprehensive information manuals.



GROUP I - UNIVERSAL Compatible with Digi4Park® STANDARD & EXTENDED KIT

Digi4Park ® needs to receive analog signals like rear, speed (pulse) and accessories. In this way can be installed in any vehicle. If you do not have the speed signal or you can not supply to PDC kit, it is automatically disabled after removing the reverse. It can be activated manually by the button. **ALL VEHICLES ARE SUPPORTED IN THIS WAY**

Abarth
AC
Acura
Alfa Romeo
Arash
Ariel
Ascari
Asphaltfighters
Aston Martin
Audi
Axon
Baojun
Bentley
BMW
Breckland
BRUSA
Bugatti
Buick
BXR Motors
BYD
Cadillac
Caparo
Carbon Motors
Carbon Motors
Caterham
Chery
Chevrolet
Chrysler
Citroen
Dacia
Daewoo
Daihatsu
Devon
DiMora
Dodge
e-WOLF
Edag
Eterniti Motors
Fenix
Ferrari
Fiat
Fioravanti
Fisker
Ford
Fornasari
Giugiaro
GMC
Gordon Murray
GTA Motor
Gumpert
Holden
Honda
HSV
Hulme
Hummer
Hyundai
I2B
IFR Automotive
Infiniti
Isuzu
Izaro Motors
Jaguar
Jeep
Jetstream
K-1 Engineering
Kia
Koenigsegg
KTM
Lagonda
Lamborghini
Lancia
Land Rover
Leblanc
Lexus
Lightning
Lincoln
Lotus
LUXGEN
Lyonheart
Magna Steyr
MaRussia
Maserati
Mastretta
Maybach
Mazda
McLaren
Mercedes-Benz
Mercury
MINI
Mitsubishi
Mono
Morgan
n2a Motors
NICE
Nissan
Noble
Opel
Pagani
Perodua
Peugeot
Pininfarina
Pontiac
Porsche
Proton
Protoscar
Racer X Design
Renault
Rimac
Rinspeed
Roding
Rolls-Royce
Ronn Motor
Saab
Saker
Saturn
Savage
Sbarro
Scion
SEAT
Skelta
Skoda
smart
Spirra
Spyker
SsangYong
SSC
Subaru
Suzuki
SV Motor
Tata
Tesla
TH!NK
Toyota
Tramontana
Transtar Racing
TVR
Vauxhall
Venturi
Venturi
VerMot
Vision
Volkswagen
Volvo
Wiesmann
Yes!
Zagato
Zenvo

GROUP II - CAN BUS COMPATIBLE

Compatible with Digi4Park® STANDARD & EXTENDED KIT

Digi4Park ® only requires power and CAN BUS. The interface gets of the CAN the speed, reverse and ignition signals. In this mode the sensor kit automatically activates and deactivates the PDC kit with the speed and rear gear and can be activate or deactivated manually with the switch button. c applies intelligent operation and are also compatible functions of GROUP I.

ALFA ROMEO
CHEVROLET
HYUNDAI
LAMBORGHINI
OPEL
SEAT
Audi
CHRYSLER
JAGUAR
LANCIA
PEUGEOT
ŠKODA AUTO
VOLVO
BMW
CITROËN
Jeep
LAND ROVER
PORSCHE
smart
Ferrari
LEXUS
RENAULT
SSANGYONG
FIAT
mazda
SAAB
Ford
Mercedes-Benz
MINI

digi4park®

GROUP III - CAN BUS GRAPHICS

Compatible with Digi4Park® PLUS & EXTENDED KIT

Digi4Park ® only requires power and CAN BUS, CAN extracting the speed, reverse and ignition signals. In this mode the sensor kit automatically activates and deactivates the speed and can be activated manually with the switch. Additionally the sensor information is shown in the original screens. This group is in permanent updating

NOW - SUPPORTED:

Compatibles con Kits Digi4Park® PLUS Y EXTENDED

COMMING - SOON

(Touch 2.0 & 2.1)

Technical and Comercial Information

Digi4Park® offers to you all the Technical & Comercial Information that you can need as IMPORTER, DISTRIBUTOR or INSTALLER

Official Website

There is only one official site for all the World **www.digi4park.com**
All the information that Digi4Park® publish is made by **this ONLY site**. The information is available in most important languages of the world. Also you can find to us in **FACEBOOK®** & **YOUTUBE®**

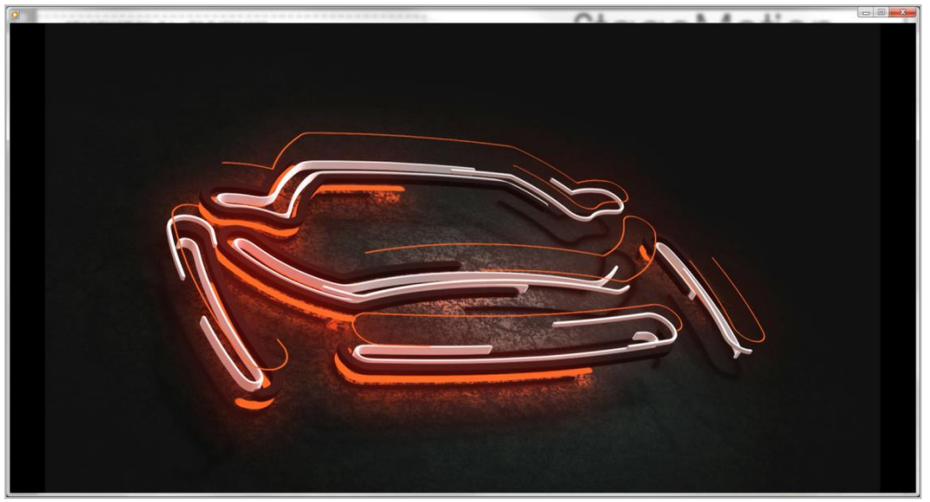
Comercial Information

Digi4Park ® gives to you all the tools in order to promote your sales:

- **Flyers** for Comercial Communications
- **PowerPoint** Presentations
- Corporative a Demos **Professional Videos** and Advertisements
- Pre-format Emails, invitations and cards for your events
- All graphic Official Resources like **icons, slogan**s, in order to make easier your commercial work
- A complete and **Official Price list** for professional, campaigns, rappels of discounts for volume, etc. Please, check with us.

Tecnical Information

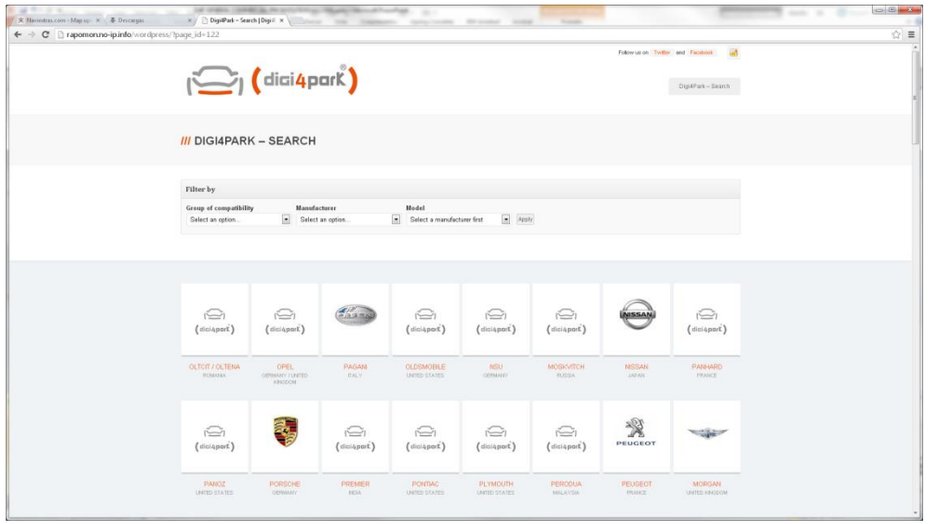
If you don't know where do you have to connect Digi4Park® in order to get CAN BUS in any car, please, check our technical WEBSITE in order to get the technical draw of connection.



digi4park®

www.digi4park.com > Always updated

it is really easy to keep updated and check if any car is compatible or not.



Complete CarModel DATABASE

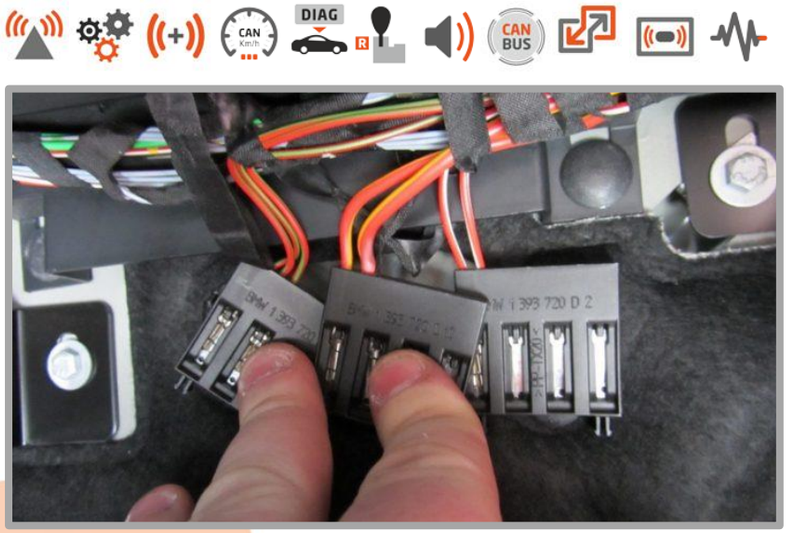
www.digi4park.com

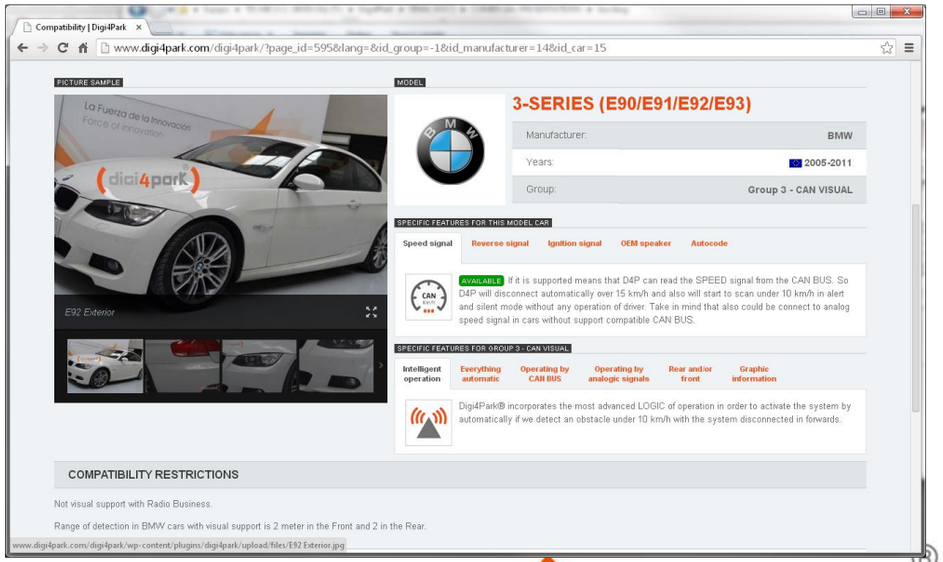
We offer a complete tool for checking the level of compatibility of each model of each Brand. With more than 3400 models, our data base is one of the most updated of the market.

Technical Details

In addition the our website, you'll find pictures of the connections and the final completion of the vehicle once installed. Remember that it is essential to check the web for the technical details of each model as the supplied manual is universal and exceptions or special information appear only in the WEB SITE*

*This information is being constantly updated.





digi4park

Technical and Comercial Resources

YouTube

facebook

...and Prices?

Digi4Park® is a product that has a Retail Price Sale Very similar to the price you can have a kit marketed in Parking Sensors, But keep in mind:

1. Digi4Park® can not be compared to technological level with any of the AFTERMARKET kits you'll find on the market because **ALL OF THEM ARE** they are all analog, no offer structured cabling, do not incorporate direct CAN BUS, etc..

2. Digi4Park® is manufactured and marketed in EUROPE worldwide so our product quality and production costs are much higher than those of any product manufactured in Asia. Our product has a cost almost 4 times that of any competitor. Yet our Recommended User Price is similar.

3. An installation of a parking sensor kit is labor intensive, so that the benefit should be in the installation and not the kit. Besides our kit is easier to install and maintain thanks to the extended features provided, will generate a much more satisfied customer for the final result, which will result in good publicity and sales..

4. As the Digi4Park® Unit if made with 8 sensor channels to extend an installation to FRONT AREA needs only a kit that includes 4 extra sensors no more Unit is needed, which reduces the cost of product and installation

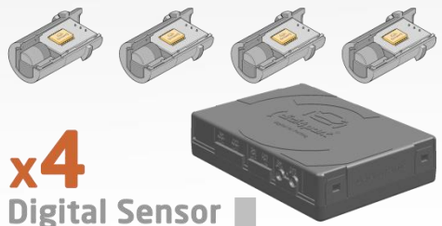
The Digi4Park® discount policy is the same Worldwide. The discount is exactly the same for any Distributor or Importer Worldwide buy 1 piece or 1,000. The difference is that is rewarded with bonus shopping RAPPEL product depending on the volume purchased quarterly.

Price List – Recommended Kits End Users Price List

Digi4Park® STANDAR KIT

D4PKITST

- Digi4Park® STANDARD Unit Control
- 4 Digital Sensors
- 4 Brackets (Inside and Outside)
- 4 Rubbers (Black and Transp.)
- 1 Sensor Wire, 1 Extension Wire
- CAN BUS COMPATIBLE
- 1 Parking Switch Button
- 1 Buzzer & Installation Manual



x4 Digital Sensor

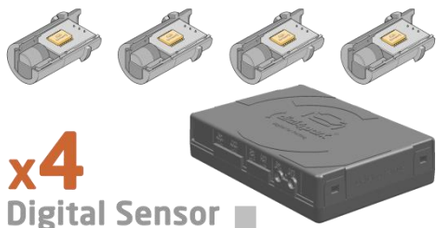
SUPPORT FRONT EXTENSION
(Rear + Front)

D4PKITEX

Digi4Park® PLUS KIT

D4PKITPL

- ALL STANDARD KIT functions
- **CAN BUS VISUAL** function added



x4 Digital Sensor

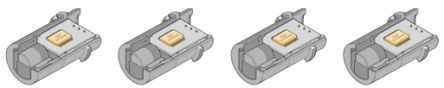
SUPPORT FRONT EXTENSION
(Rear + Front)

D4PKITEX

Digi4Park® EXTENDED KIT

D4PKITEX

- 4 Digital Sensors
- 4 Brackets (Inside and Outside)
- 4 Rubbers (Black and Transp.)
- 1 Sensor Wire
- 1 Extension Wire
- 1 Buzzer & Installation Manual
- Compatible with STANDARD & PLUS



Upgrade Wiring

x4 + Digital Sensor

www.digi4park.com

Digital for Parking

INTERNATIONAL INTRODUCTION

Digi4Park®
www.digi4park.com

Document Version 1.7